

Name: \_\_\_\_\_

Math 5 \_\_\_\_\_

Date: \_\_\_\_\_

### Lesson 6-3A Homework | Modeling Division of Fractions by Fractions

**Directions:** Complete each problem by writing the question, drawing a model/number line, and interpreting your quotient.

	Problem	Question	Model
1	$3 \div \frac{3}{5}$		
2	$\frac{7}{10} \div \frac{1}{5}$		
3	$1\frac{2}{5} \div \frac{1}{10}$		

	Problem	Question	Number line
4	$4 \div \frac{3}{8}$		
5	$\frac{4}{5} \div \frac{3}{10}$		
6	$3\frac{2}{6} \div \frac{1}{3}$		

Turn over...

7. Vanessa has a piece of wood that is 6 yards long. She needs to cut it into pieces that are  $\frac{1}{3}$  yard long.

A. Use a number line to determine how many pieces she will have.



B. Write an equation to match your model:

$$\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

C. Ezra decides that Vanessa should cut it into  $\frac{1}{2}$  yard pieces instead. Write 2 - 3 sentences explaining how this will affect the total number of boards that Vanessa has.

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8. Use a number line to help determine the missing divisor:

$$3 \div \underline{\hspace{2cm}} = 12$$

